PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1. (Previously Presented) A method of optimizing radio-access-network-packet-data-

service-node interface communications channel resources in a communications network when a

mobile station moves from a first infrastructure element to a second infrastructure element

associated with a packet data services node of the communications network, the method

comprising the step of:

transmitting from the second infrastructure element associated with the packet

data services node a message including a number of dormant network connections associated

with the mobile station and a reduced list of identifiers associated with the dormant network

connections, wherein the dormant network connections are connections that are not being used to

transmit traffic channel data.

2. (Original) The method of claim 1, wherein said reduced list does not include

Service Request Identifiers.

3. (Previously Presented) A method of simplifying Packet Control Function network

element functionality when a mobile station moves from a first infrastructure element of a packet

data services network to a second infrastructure element of the packet data services network, the

method comprising the step of:

maintaining a reduced entry PPP connection table that includes radio access

network (RAN) PDSN interface (RPI) communication pipe identifiers.

4. (Original) The method of claim 3, wherein said reduced entries do not include

Service Request Identifiers.

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5. (Currently Amended) A method of optimizing the Air Interface traffic channel

resources in a communications network when the mobile station moves from a first infrastructure

element of a the packet data services network to a second infrastructure element of the packet

data services network, the method comprising the step of:

transmitting from the mobile station a message including a number of dormant

network connections associated with the mobile station and enhanced information associated

with the dormant network connections when the mobile station moves from a first infrastructure

element of the packet data services network to a second infrastructure element, wherein the

dormant network connections are connections that are not being used to transmit traffic channel

data.

6. (Original) The method of claim 5, wherein said enhanced information includes

packet zone identification information.

7. (Original) The method of claim 5, wherein said enhanced information is used to

conserve traffic channel resources by reducing Point to Point Protocol session negotiation.

8. (Original) The method of claim 5, wherein said enhanced information is used to

conserve traffic channel resources by reducing Mobile Internet Protocol registration.

9. (Previously Presented) A mobile station configured to inform a packet data

services network of dormant network connections associated with the mobile station when the

mobile station moves from a first infrastructure element of the packet data services network to a

second infrastructure element of the packet data services network, the mobile station comprising:

an antenna;

a processor coupled to the antenna; and

a processor-readable medium accessible by the processor and containing a set of

instructions executable by the processor to modulate and transmit from the mobile station a

message including a number of dormant network connections associated with the mobile station

and a reduced list of identifiers associated with the dormant network connections when the

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mobile station moves from the first infrastructure element of the packet data services network to

the second infrastructure element, wherein the dormant network connections are connections that

are not being used to transmit traffic channel data.

10. (Original) The mobile station of claim 9, wherein the dormant network

connections comprise point-to-point protocol connections.

11. (Original) The mobile station of claim 9, wherein the first and second

infrastructure elements comprise packet data service nodes.

12. (Original) The mobile station of claim 9, wherein the identifiers are not comprised

of service reference identifiers.

13. (Original) The mobile station of claim 9, wherein the message comprises an

origination message including an indicator that the dormant network connections are dormant.

14. (Original) The mobile station of claim 9, wherein the message comprises packet

zone identification information.

15. (Previously Presented) A mobile station configured to inform a packet data

services network of dormant network connections associated with the mobile station when the

mobile station moves from a first infrastructure element of the packet data services network to a

second infrastructure element of the packet data services network, the mobile station comprising:

a device configured to transmit from the mobile station a message including a

number of dormant network connections associated with the mobile station and a reduced list of

identifiers associated with the dormant network connections when the mobile station moves from

the first infrastructure element of the packet data services network to the second infrastructure

element, wherein the dormant network connections are connections that are not being used to

transmit traffic channel data.

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16. (Original) The mobile station of claim 15, wherein the dormant network

connections comprise point-to-point protocol connections.

17. (Original) The mobile station of claim 15, wherein the first and second

infrastructure elements comprise packet data service nodes.

18. (Original) The mobile station of claim 15, wherein the identifiers are not

comprised of service reference identifiers.

19. (Original) The mobile station of claim 15, wherein the message comprises an

origination message including an indicator that the dormant network connections are dormant.

20. (Original) The mobile station of claim 15, wherein the message comprises packet

zone identification information.

21. (Previously Presented) A mobile station configured to inform a packet data

services network of dormant network connections associated with the mobile station when the

mobile station moves from a first infrastructure element of the packet data services network to a

second infrastructure element of the packet data services network, the mobile station comprising:

means for transmitting from the mobile station a message including a number of

dormant network connections associated with the mobile station and a reduced list of identifiers

associated with the dormant network connections when the mobile station moves from the first

infrastructure element of the packet data services network to the second infrastructure element,

wherein the dormant network connections are connections that are not being used to transmit

traffic channel data.

22. (Original) The mobile station of claim 21, wherein the dormant network

connections comprise point-to-point protocol connections.

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23. (Original) The mobile station of claim 21, wherein the first and second

infrastructure elements comprise packet data service nodes.

24. (Original) The mobile station of claim 21, wherein the identifiers are not

comprised of service reference identifiers.

25. (Original) The mobile station of claim 21, wherein the message comprises an

origination message including an indicator that the dormant network connections are dormant.

26. (Original) The mobile station of claim 21, wherein the message comprises packet

zone identification information.

27. (Previously Presented) A packet data services node configured to maintain Point

to Point Protocol connection tables of dormant network connections associated with a mobile

station when the mobile station moves from a first infrastructure element of a packet data

services network to a second infrastructure element of the packet data services network, the

packet data services node comprising:

a radio-access-network-PDSN channel interface;

a processor coupled to the radio-access-network-PDSN channel interface; and

a processor-readable medium accessible by the processor and containing a set of

instructions executable by the processor to update the dormant network connection information

associated with the mobile station, wherein the dormant network connection information is

information relating to a connection that is not being used to transmit traffic channel data.

28. (Original) The packet data services node of claim 27, wherein the dormant

network connection information associated with the mobile station maintained does not include

service reference identifiers.

29. (Previously Presented) The packet data services node of claim 27, wherein the

first and second infrastructure elements comprise packet data service nodes.

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